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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/072,376	02/06/2002	Chris J. Wendel	077077-9140-00	2563

23409 7590 05/23/2006

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EXAMINER
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SAFAIPOUR, HOUSHANG

ART UNIT	PAPER NUMBER
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2625

DATE MAILED: 05/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/072,376	WENDEL, CHRIS J.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Houshang Safaipoor	2625	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 March 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 and 12-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 12-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**JEROME GRANT**  
**PRIMARY EXAMINER**

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 5/10/04 & 10/15/03.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Response to Arguments***

Applicant's amendment filed on March 3, 2006 has been entered and made of record.

Applicant's arguments have been considered but are moot in view of new grounds of rejection.

Claims 6-11 are cancelled.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5 and 12-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Seymour et al. (U.S. Patent No. 5,724,259) and further in view of Taki et al. (U.S. Patent No. 5,121,137).

Regarding claims 1, 12, 13 and 17 Seymour et al. discloses a camera assembly for use in scanning a paper substrate of a printing press, said assembly comprising:

a housing (fig. 2);

camera mounted within said housing (fig. 2, col. 4, lines 14-19);

a light source mounted within said housing (Fig. 2, light source 38); and

Although Seymour et al. discloses the use of two different light sources, he also discloses that illumination could be provided by a single light source (col. 7, lines, 1-3), however, he is silent

on the number of reflectors when only one light source is used. Taki et al. discloses an image recording apparatus with two mirrors (22 and 23) positioned symmetrically with respect to a plane that is perpendicular to the paper substrate to direct light in two distinct paths from the same said light source (41) to the paper substrate (fig. 1, col. 8, lines 4-41). Therefore it would have been obvious to a person of an ordinary skill in the art at the time the invention was made to use the illumination system of Taki in printing system of Seymour to produce sufficient quantity of light intensity.

Regarding claim 2, Seymour et al. discloses the camera assembly of claim 1 wherein said camera is a CCD type camera (col. 5, lines 25-39). Taki's apparatus includes a lens (12) and shows that the plane perpendicular to the paper substrate passes through the lens and the light source (fig. 1). Therefore it would have been obvious to a person of an ordinary skill in the art at the time the invention was made to use the illumination system of Taki in printing system of Seymour to produce sufficient quantity of light intensity.

Regarding claims 3, 14, 18 and 21, Seymour et al. discloses the camera assembly of claim 1 wherein said light source is a strobe type light source (col. 6, lines 21-27). Taki's apparatus shows that an axis of the light source is parallel to an axis of the lens (fig. 1). Therefore it would have been obvious to a person of an ordinary skill in the art at the time the invention was made to use the illumination system of Taki in printing system of Seymour to produce sufficient quantity of light intensity.

Regarding claims 4, 15, 19, 20 and 22 Seymour does not disclose flat reflectors (mirrors). Taki introduces the use of flat mirrors (fig. 1). Therefore it would have been obvious to a person

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of an ordinary skill in the art at the time the invention was made to use the illumination system of

Taki in printing system of Seymour to produce sufficient quantity of light intensity.

Regarding claims 5 and 23 Seymour et al. discloses the camera assembly of claim 1 where the mirrors are positioned on each side of the light source (fig. 3a). Also, please refer to fig. 1 of Taki.

Regarding claim 16, Seymour et al. discloses the method of claim 13 wherein each light path has an illumination intensity that is substantially the same (fig. 3a).

#### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Houshang Safaipoor whose telephone number is (571)272-7412. The examiner can normally be reached on Mon.-Thurs. from 6:30am to 5:00pm.

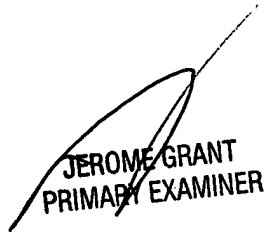
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on (571)272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Houshang Safaipoor  
Patent Examiner  
Art Unit 2627  
May 13, 2006



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PRIMARY EXAMINER